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Navigating complexities in implantable cardioverter-defibrillator therapy: insights, challenges, and patient-centred approaches

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Stellingen behorend bij het proefschrift getiteld

Navigating Complexities in Implantable Cardioverter-Defibrillator Therapy: Insights, Challenges, and Patient-Centred Approaches

1. Understanding the implications of chronic total coronary artery occlusion on ventricular arrhythmias and long-term mortality provides valuable insights for patient risk stratification and management strategies (*this thesis*).
2. The choice between subcutaneous and transvenous ICD device should be based on a detailed evaluation of known clinical outcomes and individual patient characteristics and risk-factors for lead-related complications (*this thesis*).
3. The implementation of a shared decision-making tool for patients with an ICD has the potential to significantly improve patient satisfaction and understanding of treatment options (*this thesis*).
4. Older patients with an ICD have specific needs that are not always reflected by the current clinical practice guidelines, highlighting the need for tailored care strategies (*this thesis*).
5. Discontinuing tachytherapy in ICD patients requires a carefully considered decision-making process that takes into account both clinical/ somatic? and psychosocial factors (*this thesis*).
6. The implementation of patient-centered educational tools can significantly improve the knowledge and self-management skills of ICD patients, leading to improvements in clinical practice (*this thesis*).
7. Don't Be Afraid: Using an ICD Means Having Difficult Conversations (Christopher E. Knoopke, John M. Mandrola, *Circ Heart Fail*. 2019 Oct;12(10):e006289. *Editorial*.).
8. Subcutaneous ICD (S-ICD) is an effective extravascular alternative to traditional transvenous ICD (TV-ICD). (Reinoud E. Knops, et al. *Efficacy and Safety of Appropriate Shocks and Antitachycardia Pacing in Transvenous and Subcutaneous Implantable Defibrillators: Analysis of All Appropriate Therapy in the PRAETORIAN Trial*. *Circulation*. 2022 Feb;145(5):321-329.)
9. The myocardial territory supplied by a coronary artery with a chronic total occlusion is a pro-arrhythmogenic milieu characterized by scar tissue, large scar border zone, hibernating myocardium, residual ischemia despite collaterals, areas of slow conduction, and heterogeneity in repolarization. Restoring coronary flow by revascularization might be associated with electrical homogenization. (Amira Assaf, et al. *Vulnerability for ventricular arrhythmias in patients with chronic coronary total occlusion*. *Expert Rev Cardiovasc Ther*. 2020 Aug;18(8):487-494.)
10. With over 700,000 ICDs implanted annually worldwide, a significant number of patients with ICDs have misperceptions and poor understanding of the device's purpose. Lack of understanding precludes the patients' ability to make informed decisions regarding ICD settings and function as their circumstances change. (Mark Berlacher, et al. *ICD Knowledge and Attitudes at End of Life in a Diverse and Vulnerable Patient Population*. *J Health Care Poor Underserved*. 2022;33(4):1793-1808.)
11. "Knowledge is power. Information is liberating." - Kofi Annan. De ontwikkeling van op maat gemaakte educatieve hulpmiddelen stelt ICD-patiënten in staat om geïnformeerde keuzes te maken over hun gezondheid.

12. "The greatest wealth is health." - *Vergilius*. Het zorgen dat ICD-patiënten volledig geïnformeerd zijn over hun behandelingsopties draagt bij aan hun algehele welzijn en kwaliteit van leven.
13. "Medicine is a science of uncertainty and an art of probability." - *William Osler*. Het zorgvuldig managen van oudere ICD-patiënten weerspiegelt de delicate balans tussen klinische richtlijnen en de individuele behoeften van patiënten.